

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/010410

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 B64D47/02 B64D47/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B64D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 589 901 A (MEANS KEVIN P) 31 December 1996 (1996-12-31) abstract	1-3,6-10
Y	column 5, line 36 - column 6, line 27 column 6, line 55 - column 8, line 59 column 9, line 33 - column 10, line 39; figures	4,5
Y	EP 0 476 920 A (HUGHES AIRCRAFT CO) 25 March 1992 (1992-03-25) abstract column 5, line 11 - line 15; figures	4,5
Y	US 4 218 702 A (BROCARD FRANCOIS ET AL) 19 August 1980 (1980-08-19) abstract column 2, line 27 - column 3, line 30; figures	1-3
	----- -/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

26 November 2004

Date of mailing of the international search report

03/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.  
Fax (+31-70) 340-3016

Authorized officer

Monica S. O. Navarro

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/010410

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	GB 2 338 694 A (MCALPINE HELICOPTERS LTD) 29 December 1999 (1999-12-29) abstract page 8, paragraph 2 - page 10, paragraph 1; figures	1-3
A	US 4 529 150 A (WILKINSON PETER R ET AL) 16 July 1985 (1985-07-16) column 2, line 31 - column 3, line 29; figures	1-10
A	US 6 542 181 B1 (WALLACE DAVID J ET AL) 1 April 2003 (2003-04-01) abstract; figures	1-10

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/010410

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5589901	A	31-12-1996	NONE
EP 0476920	A	25-03-1992	US 5224861 A 06-07-1993 CA 2049675 A1 18-03-1992 DE 69114428 D1 14-12-1995 DE 69114428 T2 11-04-1996 EP 0476920 A1 25-03-1992 IL 99360 A 26-08-1994 JP 2501693 B2 29-05-1996 JP 4256991 A 11-09-1992 KR 9507217 B1 04-07-1995
US 4218702	A	19-08-1980	FR 2391619 A1 15-12-1978 DE 2821794 A1 30-11-1978 IT 1102672 B 07-10-1985
GB 2338694	A	29-12-1999	NONE
US 4529150	A	16-07-1985	CA 1255900 A1 20-06-1989 DE 3379458 D1 27-04-1989 EP 0098090 A2 11-01-1984 IN 158683 A1 03-01-1987 JP 59018095 A 30-01-1984 YU 141683 A1 30-04-1986
US 6542181	B1	01-04-2003	NONE